

# भारत का राजपत्र

## The Gazette of India

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तई दिल्ली, शनिवार, जुलाई 13, 1996 (आषाढ़ 22, 1918)

No. 28]

NEW DELHI, SATURDAY, JULY 13, 1996 (ASADHA 22, 1918)

इस भाग में भिन्न पृष्ठ संचया दी जाती है जिससे कि यह अलग संकलन के रूप में रखा जा सके  
[Separate paging is given to this Part in order that it may be filed as a separate compilation]

### भाग III—खण्ड 2 [PART III—SECTION 2]

ऐटेन्ट कार्यालय द्वारा जारी की गई ऐटेन्टों और डिजाइनों से सम्बन्धित अधिसूचनाएं और नोटिस  
[Notifications and Notices Issued by the Patent Office relating to Patents and Designs]

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#### PATENTS AND DESIGNS

Calcutta, the 13th July 1996

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234/4, Acharya Jagadish Bose Road,  
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Telegraphic address "PATENTS".

All applications, notices, statements or other documents or any fees required by the Patents Act, 1970 or the Patents Rules, 1972 will be received only at the appropriate offices of the Patent Office.

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पेटैंट कार्यालय  
एकस्व तथा अभिकल्प  
कलकत्ता, बिनांक 13 जुलाई, 1996

पेटैंट कार्यालय के कार्यालयों के पते एवं क्षेत्राधिकार  
पेटैंट कार्यालय का प्रधान कार्यालय कलकत्ता में अवस्थित है  
तथा अम्बई, चिल्ली एवं मद्रास में इसके शास्त्र कार्यालय हैं, जिनके  
प्राइवेशिक क्षेत्राधिकार ज्ञान के आधार पर निम्न रूप में प्रदर्शित  
हैं।

पेटैंट कार्यालय शास्त्र, टोही इस्टेंट  
तीसरा तल, लोअर परल (पश्चिम),  
अम्बई-400013।

गुजरात, महाराष्ट्र तथा मध्य प्रदेश तथा गोवा राज्य क्षेत्र  
एवं संघ शासित क्षेत्र वस्त्र हथा दीद एवं दाढ़रा और नगर  
हवेली।

तार पता-“पेटैंटोफिस”

पेटैंट कार्यालय शास्त्र,  
एक सं. 401 से 405, दीमरा तल,  
मगरपारा का दाढ़रा भवन,  
सरस्वती मार्ग, कलाल घाग,  
नझ दिल्ली-110005।

हरियाणा, हिमाचल प्रदेश, जम्मू तथा कश्मीर, पंजाब,  
राजस्थान, उत्तर प्रदेश तथा चिल्ली राज्य क्षेत्रों एवं संघ  
शासित क्षेत्र बण्डीगढ़।

तार पता-“पेटैंटोफिस”

#### CORRIGENDUM

In the Gazette of India, Part III, Section 2, dated 16th September, 1995, Page No. 803, Column 2, under the heading "Cessation of Patents".

Delete Patent No. 156335.

In the Gazette of India, Part III, Section 2 dated 7th October, 1995, Page No. 841, Column 1, under the heading "Cessation of Patents".

Delete Patent No. 160512.

In the Gazette of India, Part III, Section 2 dated 30th March, 1996, Page No. 254, Column 1, under the heading "Cessation of Patents".

Delete Patent No. 171636.

पेटैंट कार्यालय शास्त्र,  
61, बालाप्राह रोड,  
मद्रास-600002।

आन्ध्र प्रदेश, कर्नाटक, केरल, तमिलनाडु तथा  
पाण्डुचेरी राज्य क्षेत्र एवं संघ शासित क्षेत्र लक्ष्मीगीरा,  
मिनिकाद तथा एमिनिदिवि द्वीप।

तार पता-“पेटैंटोफिस”

पेटैंट कार्यालय (प्रधान कार्यालय),  
निजाम पैलेस, द्वितीय अबुतलीय कार्यालय,  
भवन. 5, 6 तथा 7वाँ तल,  
234/4, आचार्य जगदीश बोस मार्ग,  
कलकत्ता-700020।

भारत का अवशेष क्षेत्र।

तार पता-“पेटैंटोफिस”

पेटैंट अधिनियम, 1970 या पेटैंट नियम, 1972 ने अपै-  
क्षित सभी आवेदन-पत्र, सूचनाएँ, विवरण या अन्य प्रलेख पेटैंट  
कार्यालय के केवल उपयुक्त कार्यालय में ही प्राप्त किये जायेंगे।

शुल्क :—शुल्कों की अवधारणी या संग्रह की जाएँगी अथवा  
उपयुक्त कार्यालय द्वे नियंत्रक को भूतान योग्य धनादेश अथवा  
हाक आदेश या जहां उपयुक्त कार्यालय अवस्थित है; उस स्थान  
के अनुमति बैंक से नियंत्रक को भूतान योग्य बैंक इकाई  
अथवा चैक प्राप्त की जा सकती है।

#### APPLICATION FOR PATENT FILED AT THE HEAD OFFICE 234/4, ACHARYA JAGADISH BOSE ROAD, CALCUTTA-20

The dates shown in the crescent bracket are the dates claimed under Section 135, of the Patent Act, 1970.

14-03-1996

450/Cal/96. Alberto Kopelowicz, "Process for the manufacture of condotus". (Convention No. 331355; on 17-3-95; in Argentina).

451/Cal/96. Hudson Products Corporation. "Heat pipe heat exchanger tube sheet". (Convention No. 08/560 750 filed on 21-11-95; in U.S.A.).

452/Cal/96. Hollandse Signaalapparaten B.V. "Phased array antenna provided with a calibration network". (Convention No. 9500580; on 27-3-95; in Netherlands).

453/Cal/96. Tateho Chemical Industries Co. Ltd. "Metal hydroxide and oxide solid solutions having high aspect ratios and their processes for production". (Convention No. H7-86410; on 17-3-95; in Japan).

454/Cal/96. E. L. Du Pont De Nemours and Company. "System for preparing highly coherent air jet textured yarn". (Convention No. 405,041; on 15-3-95; in U.S.A.).

455/Cal/96. Brose Fahrzeugeile GMBH & Co. KG. "Vehicle door". (Convention No. 19509282.1; on 15-3-95; in Germany).

15-03-1996

456/Cal/96. Philips Electronics N.V. "Device for optically scanning a recording medium".

457/Cal/96. Philips Electronics N.V. "Capped electric lamp".

458/Cal/96. LG Chemical Limited. "Single-shot vaccine formulation". (Convention No. 95-5424; on 16-03-95; in South Korea).

459/Cal/96. Dawood Electronics Co., Ltd. "Method for determining feature points". (Convention No. 95-5308; on 15-03-1995 in South Korea).

460/Cal/96. Dawoo Electronics Co., Ltd. "Improved compensation method for use in an image encoding system". (Convention No. 95-5307; on 15-03-1995; in South Korea).

461/Cal/96. Daewoo Electronics Co., Ltd. "High speed variable length code decoding apparatus". (Convention No. 95-5427 filed on 16-03-1995; in Republic of Korea).

462/Cal/96. Dawoo Electronics Co., Ltd. "High speed variable length code decoding apparatus". (Convention No. 95-5426; on 16-3-1995; in Republic of Korea).

463/Cal/96. Lasersight, Inc. "Ophthalmic surger method using non contact scanning laser".

464/Cal/96. William Teron. "Method of manufacturing building modules and structures formed thereby". (Convention No. 2,144,918, on 17-3-95; in Canada).

465/Cal/96. Cascade Engineering Inc. "Sheet with integral fastener". (Convention No. 08 405,732; on 17-3-95; in U.S.A.).

466/Cal/96. IAF BIO Inc. "Proteinase k resistant surface protein of neisseria meningitidis." (Convention Nos. 08/406,362; on 17-3-1995 and 60/001,983; on 4-8-1995; in U.S.A.).

467/Cal/96. Edward Mendell Co. Inc. "New cellulosic materials for incorporation into food products and methods of making same." (Convention No. 08/419,633; on 6-4-95; in U.S.A.).

468/Cal/96. Hosokawa Bepex Corporation. "Fluid bed cooling system for polymer processing". (Convention No. 08/496,762; on 29-6-95; in U.S.A.).

469/Cal/96. Hollandse Signalapparaten B.V. "Arrangement for the detection of targets". (Convention No. 9500390; on 28-3-95; in Netherlands).

470/Cal/96. Trefimetaux. "Automatic drawing device". (Convention No. PV. No. 9503742; on 24-3-95; in France).

471/Cal/96. Conoco Inc. "Process and apparatus for collecting fibers blow spun from solvated mesophase pitch." (Convention No. 08/436,030; on 5-5-95; in U.S.A.).

18-3-1996

472/Cal/96. William cook Cast Products Limited. "Road pads for tracked vehicles". (Convention No. 9505515.8; on 18-3-1995; in United Kingdom).

473/Cal/96. Masanori Matsuda. "New liquid fuel."

474/Cal/96. Kimberly-Clark Tissue Company. "Improved absorbent paper product and method of making." (Convention No. 95200946.2; on 13-4-95; in EPO).

475/Cal/96. Josef Meissner GMBH & Co. "Recovery of Nitric acid from nitration process". Convention No. 19512114.7; on 4-4-95; in Germany).

476/Cal/96. (1) Vallourec Oil & Gas (2) Sumitomo Metal Industries "Threaded joint for tubes" (Convention No. 9505371; on 28-4-95; in France).

477/Cal/96. Hitachi, Ltd. "Transformer Coil and Method of Fabricating the same". (Convention No. 07-060817; on 20-3-95; in Japan).

478/Cal/96. Siemens Aktiengesellschaft. "Data medium in card form and leadframe for use in such a data medium". (Convention No. 19512191.0; on 31-3-95; in Germany).

479/Cal/96. Siemens Aktiengesellschaft. "Method for operating a waste-heat steam generator and waste-heat steam generator working accordingly". (Convention No. 19512466.9; on 3-4-95; in Germany).

480/Cal/96. Siemens Aktiengesellschaft. "Contactless chip card". (Convention No. 1951622.7; on 3-5-95; in Germany).

481/Cal/96. Degussa Aktiengesellschaft. "Activators for peroxy compounds and agents containing them". (Convention No. 19510813.2; on 24-3-95; in Germany).

482/Cal/96. Asta Medica Aktiengesellschaft. "Novel pyrido (3,2-e) Pyrazinones with anti asthmatic action and processes for their manufacture". (Convention No. 1951096.1; on 24-3-95; in Germany).

483/Cal/96. E. I. Du Pont De Nemours and Company. "Penetration-Resistant aramid article". (Convention No. 08/421, 350; on 12-4-95; in U.S.A.).

484/Cal/96. E.I. Du Pont De Nemours and Company "Oxazoline and thiazoline arthropodicides". (Convention No. 08/423,186; on 18-4-95; in U.S.A.).

485/Cal/96. Saint-Gobain Vitrage. "Glass sheet Meant for the Manufacture of glass windows". (Convention No. FR95/03058; on 16-3-95; in France).

19-3-1996

486/Cal/96. Daewoo Electronics Co., Ltd. "Video cassette recorder incorporating therein a belt pulley set enabling a timing belt to be mounted thereover without belt slack". (Convention No. 95-5861; on 29-3-1995; in South Korea).

487/Cal/96. Dawoo Electronics Co. Ltd. "Method and apparatus for encoding a video signal by using a block truncation coding method". (Convention No. 95-5830; on 20-3-1995; in South Korea).

488/Cal/96. Daewoo Electronics Co. Ltd. "Video cassette recorder incorporating therein a ground system". (Convention No. 95-8944; on 28-4-95; in South Korea).

489/Cal/96. Dawoo Electronics Co. Ltd. "Method and apparatus for encoding a video signal by using a modified block truncation coding method". (Convention No. 95-6620; on 28-3-95; in South Korea).

490/Cal/96. Kabushiki Kaisha Takehara Kikai Kenkyusho. "Fiber cutting apparatus". (Convention No. 207292/Heisel7; on 10-7-95; in Japan).

491/Cal/96. Hoechs, Celanese Corporation. "Recovery of acetic acid from dilute aqueous streams formed during a carbonylation process". (Convention No. 08/418,333; on 7-4-1995; in U.S.A.).

492/Cal/96. (1) M.I.M. Holdings Limited. (2) Highlands Gold Properties Pty. Limited. "Atmospheric mineral leaching process". (Convention No. PN 1913; on 22-3-95; Australia).

493/Cal/96. Matsushita Electric Industrial Co. Ltd. "Image information recording apparatus and image information recording method". (Convention No. 7-60758 ; on 20-3-95 ; in Japan).

494/Cal/96. DKFM Hermann Zierer, "Belt with clasp assembly". (Convention No. 579/95 ; on 31-3-95 ; in Australia).

20-3-96

495/Cal/96. Dawoo Electronics Co. Ltd. "Apparatus capable of receiving circularly polarized signals". (Convention No. 95-7345 ; on 31-3-1995 ; in South Korea).

496/Cal/96. Dawoo Electronics Co. Ltd. "Patch antenna array capable of simultaneously receiving dual polarized signals". (Convention No. 95-7303 ; on 31-3-1995 ; in South Korea).

497/Cal/96. Dawoo Electronics Co. Ltd. "Automobile mounted radio receiver capable of automatically tuning to a local affiliated station". (Convention No. 95-4961 ; on 21-3-1995 ; in South Korea).

498/Cal/96. Daewoo Electronics Co. Ltd. "Solenoid valve for an anti-lock brake system and valve fabricating method". (Convention No. 95-30580 ; on 19-9-1995 ; in Korea).

499/Cal/96. Biman Kumar Pathak "Regenerative Braking and Vibratory Energy Retrieval and Reutilization System for Bicycle, Tricycle, Motorbike and the like vehicles".

500/Cal/96. Fuelsaver Overseas Limited. "Fuel reduction device".

501/Cal/96. LG Electronics Inc. "Room air conditioner". (Convention No. P95-05810 ; 20-3-95 ; in Korea).

502/Cal/96. Mitsui Toatsu Chemicals, Incorporated. "Modified raney catalyst and method for preparing the same". (Convention No. 069720/1995 ; on 28-3-95 ; in Japan).

503/Cal/96. Samsung Electronics Co. Ltd. "A voice mail service apparatus and a controlling method therefor". (Convention No. 13577/1995 ; on 27-5-95 ; in Korea).

504/Cal/96. Sumitomo Chemical Company, Limited. "Insecticidal senko". (Convention No. 07-088447 ; on 13-4-95 ; in Japan).

505/Cal/96. Digitran Corporation. "Automatic telephone dialer system". (Convention No. 08/407,104 ; on 20-3-95 ; in U.S.A.).

21-3-1996

506/Cal/96. The Babcock & Wilcox Company. "Flue Gas desulfurization method and apparatus". (Convention No. on 8-3-1996 in U.S.A.).

507/Cal/96. Zoom Television, Inc. "Interactive multimedia system" (Convention No. 08/410,132 ; on 23-3-95 ; in U.S.A. (Convention No. 08/590, 268 on 11-11-95 ; in U.S.A.).

508/Cal/96. Johnson & Johnson Vision Products, Inc. "Reaction injection molding as a process to prepare contact lenses". (Convention No. 08/415000 ; on 31-3-95 ; in U.S.A.).

509/Cal/96. Johnson & Johnson Vision Products, Inc. "Mold material with additives". (Convention No. 08/414999 ; on 31-3-95 ; in U.S.A.).

510/Cal/96. Johnson & Johnson Vision Products, Inc. "Incorporating polymer networks for contact lens production". (Convention No. 08/415001 ; on 31-3-95 ; in U.S.A.).

511/Cal/96. Nayak & Nayak, Allied Energy Service, Ltd. "High frequency electronic ballast for lighting".

512/Cal/96. Thomson Consumer Electronics, Inc. "Bus aligned quadrature detector". (Convention No. 418,140 ; on 5-4-1995 ; in U.S.A.).

APPLICATION FOR THE PATENT FILED AT PATENT OFFICE BRANCH, MUNICIPAL MARKET BUILDING, IIRD FLOOR, KAROL BAGH, NEW DELHI-110 005

4-10-1995

1818/Del/95. The Procter & Gamble Company, U.S.A. "Cosmetic make-up compositions" (Convention date 12th October, 1994) U.K.

1819/Del/95. EVC Technology Ag., Switzerland. "Single stage fixed bed oxychlorination of ethylene". (Convention date 20th October, 1994) U.K.

1820/Del/95. Exxon Chemical Patents, Inc., U.S.A. "Wax processing aid" (Convention date 4th October, 1994 and 10th January, 1995) U.K.

1821/Del/95. Drew Chemical Corporation, U.S.A. "Corrosion inhibiting compositions for aqueous systems".

5-10-1995

1822/Del/95. Yeda Research and Development Co. Ltd., Israel. "Photovoltaic cell system and an optical structure therefor".

1823/Del/95. E. Khashoggi Industries, U.S.A. "Foamed starch composites, articles and methods". (Convention date 21-10-1994, 9-12-1994, 9-12-1994 and 9-12-1994) U.S.A.

1824/Del/95. Centre for Biochemical Technology (CISR) and the Department of Biotechnology, New Delhi. "Process of preparing transfer vectors pCBT1 to pGBT4 for the purpose of expressing proteins for commercial use".

1825/Del/95. Teletube Electronics Limited, U.P. "Antiglare and antistatic coating composition for CR tube and the process of preparing the same".

1826/Del/95. Teletube Electronics Limited, U.P. "Process of coating the outer surface of the CR tube with antiglare and antistatic coating composition".

1827/Del/95. Motorola Inc., U.S.A. "Single alloy solder clad substrate".

1828/Del/95. Tremco, Inc., U.S.A. "High solids copolymer dispersion from a latex and its use in sealants".

1829/Del/95. Motorola Limited, England. "Method for performing handover multicellular environment".

1830/Del/95. Corning Incorporated, U.S.A. "Increased capacity optical waveguide".

6-10-1995

1831/Del/95. The Procter & Gamble Company, U.S.A. "Coversheet for an absorbent product". (Convention date 7th October, 1994) Italy.

1832/Del/95. The Procter & Gamble Company, U.S.A. "Absorbent sanitary article". (Convention date 7th October, 1994) Italy.

1833/Del/95. The Procter & Gamble Company, U.S.A. "Cleaning compositions comprising xylanases". (Convention date 27th October, 1995) U.K.

1834/Del/95. Yeda Research and Development Co. Ltd., Israel. "Heat storage Device".

1835/Del/95. Chong Kun Dang Corp., Korea. "Process for manufacturing clavulanic acid salt". (Convention date 16-5-1995) Korea.

1836/Del/95. Asca Brown Boveri AB, Sweden. "Method and device for control of a series compensated converter station".

1837/Del/95. Asea Brown Boveri AB, Sweden. "Method and device for control of a series compensated converter station".

1838/Del/95. Eastman Chemical Company, U.S.A. "Preparation of 2, 3-Dihydrofurans" (Convention date 31 January, 1995) U.S.A.

1839/Del/95. Praxair Technology Inc., U.S.A. "Improved pressure swing adsorption process".

1840/Del/95. Asea Brown Boveri AB, Sweden. "Method and device for control of an installation for transmission of high-voltage direct current".

1841/Del/95. Gist-Brocades B.V., Netherlands. "Process of producing lactam antibiotics applying microorganisms with increased ligase activity."

1842/Del/95. The Gillette Company, U.S.A. "Razor handle assembly" (Convention date 13th October, 1994) U.S.A.

9-10-1995

1843/Del/95. Siovanni Del Signore, Italy. Apparatus and procedure for the production of sodium hypochlorite by means of the electrolysis of a diluted solution of sodium chloride in water".

1844/Del/95. Siovanni Del Signore, Italy. Portable Apparatus for the production of sodium hypochlorite by means of the electrolysis of a diluted solution of chloride in water."

1845/Del/95. Tokyo Semitsu Co. Ltd., and Ohi Co., Ltd., Japan. A display system for a traffic signal and a traffic signal. (Convention date 12th September, 1995) Japan.

1846/Del/95. L'Air Liquide, Societe Anonyme Pour L'Etude Et L'Exploitation Des Procedes Georges Claude, France. "Process and installation for the expansion and compression of at least one gaseous stream."

1847/Del/95. Domino Printing Sciences Plc., England, Ink jet printhead, (Convention date 24th October, 1994) U.K.

1848/Del/95. Domino Printing Sciences PLC., England, Ink Jet Printhead. (Convention date 24th October, 1994) U.K.

1849/Del/95. Filtisac France, France. Flexible Container for Particulate product and its method of manufacture., (Convention date 28th February, 1995) France.

1850/Del/95. Photon Energy Inc., doing business as Golden Photon Inc., U.S.A. "Method and facility for photovoltaic electrical power distribution.

1851/Del/95. The Whitaker Corporation, U.S.A. Electrical cable for use in a medical surgery environment." (Convention date 22nd December, 1994) U.S.A.

1852/Del/95. Pall Corporation, U.S.A., Supported membrane assembly, (Convention date 14th February, 1995) U.S.A.

10-10-1995

1853/Del/95. De La Rue Giori S.A., Switzerland. Method of generating a security design with the aid of electronic means.

1854/Del/95. AlliedSignal Inc., U.S.A. Method for locking and load limiting of a seat belt.

1855/Del/95. Zanussi Elettromeccanica S.P.A., Italy. Improvement in the stator of refrigeration compressor motors.

1856/Del/95. Royal Building Systems (CDN) Limited, Canada. Fire rated modular building system. (Convention date 2nd November, 1994) Canada.

1857/Del/95. Ingersoll-Rand Company, U.S.A. Vibration Monitoring system.

1858/Del/95. The Coleman Company, Inc., U.S.A. "Mantle and spring clip assembly." (Convention Date 9th August, 1995) U.S.A.

1859/Del/95. Ciba-Geigy AG, Switzerland. Process for the preparation of substituted 3-aminobenzonitriles. (Convention date 17th October, 1994, 13th June, 1995 and 21st July, 1995) Switzerland.

1860/Del/95. AGA Aktiebolag, Sweden. A method and apparatus for bleaching secondary fibres.

11-10-1995

1861/Del/95. The Procter & Gamble Company, U.S.A. "Methods of using iron chelating compounds to reduce free radical damage in mammals." (Convention date 8th April, 1994) U.S.A.

1862/Del/95. Totem Co. Ltd., Russia. "Apparatus for charging shaft furnaces."

1863/Del/95. The Whitaker Corporation, U.S.A. "Radio-telephone cradle connector." (Convention date 27th October, 1994) U.K.

1864/Del/95. Gist-Brocades B.V., Netherlands. "Natamycin Recovery."

1865/Del/95. Astra Aktiebolag, Sweden. "A storage stable water solution for infusion containing a thrombin inhibitor." (Convention date 8th November, 1994) Sweden.

1866/Del/95. The Ohio State University Research Foundation, U.S.A. "Small particle formation." (Convention date 9th November, 1994) Sweden.

1867/Del/95. Coleman Powermate Inc., U.S.A. "Controller for permanent magnet generator."

1868/Del/95. Corning Incorporated, U.S.A., Apparatus and method for printing a color filter. (Convention date 17th October, 1994) U.S.A.

1869/Del/95. Astra Aktiebolaget, Sweden. "Compounds for inhibition of Gastric acid secretion" (Convention date 8th December, 1994) U.S.A.

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12-10-95

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1874/Del/95. Martin Marietta Corporation, U.S.A. Improved ratio controller for continuously variable hydrostatic transmission. (Convention date 30th January, 1995) U.S.A.

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1876/Del/95. Intel Corporation, U.S.A., Video indexing protocol.

1877/Del/95. Motorola, Inc., U.S.A., Apparatus and method for inserting an address within a data stream in a data processing system.

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13-10-1995

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1883/Del/95. The Procter & Gamble Company, Germany. "Multilayer materials suitable for making packages". (Convention date 13th October, 1994) U.K.

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1885/Del/95. Prem Chandra Swarnkar, Mahoba, U.P. "Pollution free silencer".

16-10-95

1886/Del/95. Hope Pharmaceutical Inc., U.S.A. "Composition and method for treatment of homoglobopathies".

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17-10-95

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1894/Del/95. The Procter & Gamble Company, U.S.A. Process to provide material connections for absorbent articles by soldering". (Convention date 20th October, 1994) U.K.

1895/Del/95. The Procter & Gamble Company, U.S.A. "High speed mechanical straining process to provide extensibility to laminates for use in disposable absorbent articles". (Convention date 20th October, 1994 and 3rd December, 1994) U.K.

1896/Del/95. The Procter & Gamble Co., U.S.A., "Detergent Composition". (Convention date 21st October, 1994) U.K.

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1899/Del/95. LG Electronics Inc., Korea. "Packing apparatus for contents of microwave".

1900/Del/95. Crown Cork AG, Switzerland. "Plastic map closure with anti-tamper strip and method of its manufacture".

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1903/Del/95. The Lubrizol Corporation, U.S.A. "Water-in-oil emulsifiers for slow release fertilizers using tertiary alkanol amines".

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18-10-95

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1912/Del/95. Hercules Incorporated, U.S.A. "Thermally, Polymerized dicyclopentadiene/vinyl aromatic resins".

1913/Del/95. Flamet Technologies (X Societe Anonyme), France. "Medicinal and/or nutritional microcapsules for oral administration". (Convention date 18th October, 1994). France.

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19-10-95

1916/Del/95. C. M. Automotive Systems Inc., U.S.A. "Improved vehicular tyre air pressurization system & method". (Convention date 3rd August, 1995) U.S.A.

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1926/Del/95. The Procter & Gamble Company, U.S.A. "Breathable dual layer backsheet design for disposable absorbent articles". (Convention date 5th November, 1994) U.K.

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1931/Del/95. Motorola, Inc., U.S.A. "Soft decision digital communication method and apparatus".

1932/Del/95. Toshin Kogyo Co., Ltd., Japan. "Method and device for separating a screen on a flat screen textile printing machine". (Convention date 7th April, 1995) Japan.

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1936/Del/95. VFT AG., Germany. "Binding agent solutions for printing inks".

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20-10-95

1938/Del/95. The Procter & Gamble Company, U.S.A. "Low sudsing liquid detergent compositions". (Conventions.", date 24th October, 1994) U.K.

1939/Del/95. The Procter & Gamble Company, U.S.A. "Process to provide material connections for absorbent articles by soldering". (Convention date 20th October, 1994) U.K.

#### ALTERATION OF DATE UNDER SECTION-16

176524 (971/Del/89)	Filed on 23-10-89 Ante-dated to 19-01-87
176536 (1215/Del/89)	Filed on 20-12-89 Ante-dated to 05-0587
176559 (1156/Del/89)	Dated : 06-12-89 Ante-dated to 10-02-87

#### COMPLETE SPECIFICATION ACCEPTED

Notice is hereby given that any person interested in opposing the grant of patents on any of the Applications concerned, may, at any time within four months of the date of this issue or within such further period not exceeding one month, applied for on Form-14 prescribed under the Patents Rules, 1972 before the expiry of the said period of four months, given notice to the Controller of Patents at the appropriate office on the prescribed Form-15, of such opposition. The written statement of opposition should be filed alongwith the said notice or within one month of its date as prescribed in Rule-36 of the Patents Rules, 1972.

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#### स्वीकृत सम्पूर्ण विनियोग

एन्ड्रेडवारा यह सूचना है कि सम्बद्ध अधिकारी में से किसी पर पैटेंट अनुदान के विरोध करने के लकड़ी कोई अधिकार नहीं है इसके नियम की तिथि से चार (4) महीने या अग्रम दोस्ती अवधि जो उक्त 4 महीने की अवधि की समाप्ति के पूर्व पैटेंट नियम, 1972 के तहत विहित प्रपत्र 14 पर आवेदित एक महीने की अवधि से अधिक न हो, के भीतर कभी भी नियन्त्रक, एकस्व को उपयुक्त कार्यालय में ऐसे विरोध की सूचना विहित प्रपत्र 15 पर दे सकते हैं। विरोध सम्बन्धी लिखित वस्त्राभ्य, उक्त सूचना के माध्यम अथवा पैटेंट नियम, 1972 के नियम 36 में यथा विहित इसकी तिथि के एक महीने के भीतर ही फाइल किए जाने चाहिए।

“प्रत्येक विनिर्देश के संदर्भ में नीचे दिए वर्गीकरण, भारतीय वर्गीकरण तथा अन्तर्राष्ट्रीय वर्गीकरण के अनुरूप हैं।”

रूपांकन (चित्र आरेस्लॉ) की फोटो प्रतियाँ यदि कोई हो, के साथ विनिर्देशों की टंकित अभवा फोटो प्रतियों की आपूर्ति पेटेंट कार्यालय, कलकत्ता अभवा उपयुक्त शास्त्र कार्यालय द्वारा विनिर्दित लिप्यान्तरण प्रभार जिसे उक्त कार्यालय से पश्च व्यवहार द्वारा सुनिश्चित करने के उपरान्त उसकी अदायगी पर को जा सकती है। विनिर्देश की पहल संख्या के साथ प्रत्येक स्वीकृत विनिर्देश के सामने नीचे बर्णित चित्र आरेस्लॉ को जोड़कर उसे 2 से गुणा करके, (क्योंकि प्रत्येक पृष्ठ का लिप्यान्तरण प्रभार 2/- रु. है) फोटो लिप्यान्तरण प्रभार का परिकलन किया जा सकता है।

Ind. Cl. : 66D<sub>4</sub> 176541

Int. Cl. : F21H1/02, 3/00

#### A PROCESS FOR THE PREPARATION OF MANTLE FOR INCANDESCENT GAS LAMPS.

Applicant & Inventor : JOHN PETER EDGAR OF 1340 PEARL STREET ALAMEDA, CALIFORNIA 94501, UNITED STATES OF AMERICA.

Application for Patent No. 0005/Del/90 filed on 2-1-90.

Appropriate office for filing opposition proceedings (Rule 4, 1972) Patent Office Branch, Karol Bagh, New Delhi-110005.

#### 5 Claims

A process for the preparation of a mantle for incandescent gas lamps comprising steps of :—

Impregnating, in any known manner a combustible substrate of the kind such as herein described with a solution of salts of zirconium erbium and yttrium, wherein said solution consists of a zirconium salt in a percentage which ranges from 60% to 66% and the balance comprising of erbium and yttrium salts in a ratio of 2.20—2.40 to 1, withdrawing the said combustible substrate from said solution and drying in any known manner said combustible substrate.

(Compl. Specn. 20 Pages;

Drwgn Sheets 1.)

Ind. Cl. : 123 176542

Int. Cl. : C05F 11/00, 13/00

#### A PLANT GROWTH COMPOSITION AND A METHOD OF ITS PREPARATION

Applicant : FRANK WESLEY MOFFETT, JR., OF 944 ALLENS CREEK ROAD, ROCHESTER, NEW YORK 14618, UNITED STATES OF AMERICA.

Inventor : FRANK WESLEY MOFFETT, JR.

Application for Patent No. 52/Del/90 filed on 22-1-90  
Ante-dated to 16-04-87.

Divisional to Patent Application No. 338/Del/87 filed on 16-04-87.

Appropriate office for filing opposition proceedings (Rule 4, 1972) Patent Office Branch, Karol Bagh, New Delhi-110005.

#### 10 Claims

A plant growth composition which comprises a blend of mineral wool tufts present in an amount of 72 to 108 parts by weight, particles of cation exchange material selected from

the group consisting of vermiculite and perlite present in an amount of 18 to 26 parts by weight; and particles of phenol-formaldehyde resin present in an amount of 30 to 47 parts by weight, said resin having an acid pH, and balance being a fertiliser.

(Compl. Specn. 16 pages;

Drwgn. Sheet Nil.)

Ind. Cl. : 32 E

176543

Int. Cl. : C08G 63/24

#### A PROCESS FOR PREPARING A DISPERSION OF A POLYESTER RESIN IN WATER.

Applicant : MORTON THIOKOL, INC., OF 110 NORTH WACKER DRIVE, CHICAGO, ILLINOIS 60606-1560, UNITED STATES OF AMERICA.

Inventors : JAMES BRANDON SIMONS, BARTON LONG HEDRICK.

Application for Patent No. 54/Del/90 filed on 22-01-90.

Appropriate office for filing opposition proceedings (Rule 4, 1972) Patent Office Branch, Karol Bagh, New Delhi-110005.

#### 4 Claims

A process for preparing a dispersion of a polyester resin in water without causing gelation of the resin comprising :

- A. dispersing a molten carboxyl containing polyester in water which contains a neutralizing agent such as herein described in an amount effective to disperse the polyester in the water and form a mixture thereof;
- B. adding to the said mixture an epoxide containing at least two epoxy groups per molecule capable of reacting with the carboxyl groups of the polyester in an amount less than that required stoichiometrically to react with all of the carboxyl groups while the said mixture is held at a temperature which will effect reaction of the carboxyl containing polyester and epoxide but which is below the boiling point of the mixture; and
- C. mixing the product of step B until a dispersion is formed.

(Compl. Specn. 28 pages;

Drwgn. Sheets Nil.)

Ind. Cl. : 172 C9

176544

Int. Cl. : D01H 1/00

#### APPARATUS TO PREPARE FIBRES FOR SPINNING.

Applicant : BRITISH TECHNOLOGY GROUP LIMITED, OF 101 NEWINGTON CAUSEWAY, LONDON SE1 6 BU, ENGLAND.

Inventor : CARL ANTHONY LAWRENCE.

Application for Patent No. 55/Del/90 filed on 22-01-90.

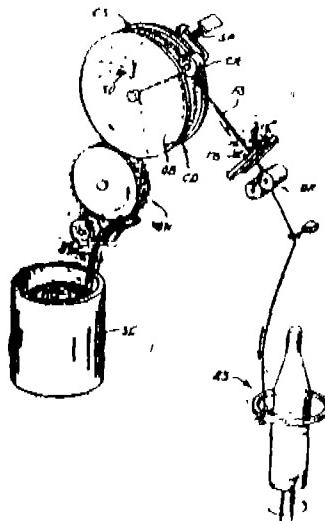
Convention date : 8901416.1/23-01-89/GB.

Appropriate office for filing opposition proceedings (Rule 4, 1972) Patent Office Branch, Karol Bagh, New Delhi-110005.

#### 9 Claims

An apparatus to prepare fibres for spinning comprising an opening device (OW) for opening a sliver (S) of fibres received from a card and for directing said fibres being opened on to a collecting device adjacent thereto, said collecting device conveying the opened fibres to a means to withdraw collected fibres which feeds the withdrawn fibres to a ring spinning means (RS) characterised by said collecting device being an elongate surface (CS) movable past said opening device (OW), a source of suction (SU) for exerting suction

through said elongate surface (CS) to collect opened fibres on said moving elongate (CS) surface, a control element (CR) urged against said elongate surface (CS) to hold collected fibres to said elongate surface (CS) as the fibres emerges from said opening device (OW), said means to withdraw being a fibre strand handling device (TO) located to withdraw fibres from between the control element (CR) and said elongate surface (CS) as a continuous strand and supply said continuous strand to said ring spinning means (RS).



(Compl. Specn. 8 pages;

Drwgn. Sheet 1)

Ind. Cl. : 33 EH

176545

Int. Cl. : B22D 7/06

**A PROCESS FOR THE PREPARATION OF TUBULAR COPPER OR COPPER ALLOY CHILLS OR INGOT MOULDS FOR USE IN CONTINUOUS STEEL CASTING INSTALLATIONS.**

Applicant : EUROPA METALLI-LMI S.p.A., OF BORGO PINTI, 97/99, 50121 FIRENZE, ITALY.

Inventor : ARMANDO SBRANA.

Application for Patent No. 56/Del/90 filed on 22-01-90.

Appropriate office for filing opposition proceedings (Rule 4, 1972) Patent Office Branch, Karol Bagh, New Delhi-110005.

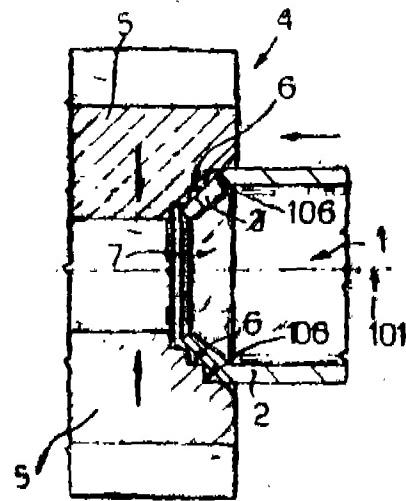
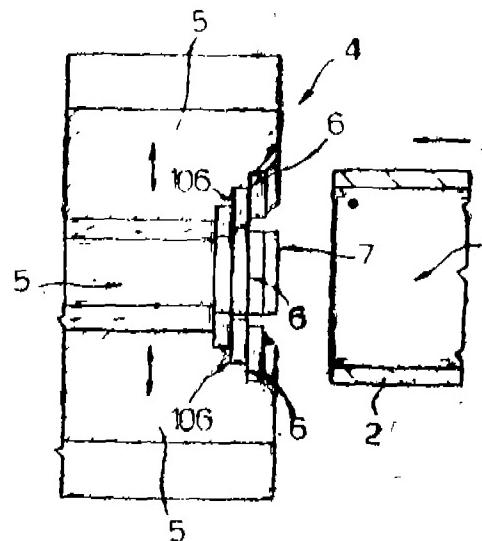
4 Claims

A process for the preparation of tubular copper or copper alloy chills (100) or ingot moulds for use in continuous steel casting installations shaped to have a substantially curved longitudinal (101) axis, said process comprising :

- (i) of turning over a first (2) end of a tubular blank (1) having a rectilinear axis, by cold plastic deformation, to form, at said first (2) end, an inclined annular (3) shoulder coaxial with a longitudinal axis (101) of symmetry of the said tubular blank;
- (ii) shaping the said blank (8) to impart to it a curved form, in which its longitudinal axis assumes a substantially arcuate shape, shaping being effected by the application in a mould of pressures onto the external surface of the said blank (8) directed in a direction substantially orthogonal to the said axis of the blank;
- (iii) introducing into the said blank (11), with a predetermined relatively wide radial clearance, a mandrel (12) having external shape and dimensions equal to the internal shape and dimensions of the chill which it is desired to obtain and engaging the first end (120) of the mandrel (12) against the said inclined annular (3) shoulder;

(iv) passing the said blank (11) through a die (15) of a drawplate having dimensions to deform the materials of the said blank to cause the inner surface of the blank (11) to conform strictly with the outer surface of the said mandrel (12), by exerting a substantial axial first force on the said mandrel (12) to transmit the said force to said blank (11) by the engagement of the mandrel (12) on said inclined annular (3) shoulder, and

(v) exerting a substantially axial second force on said mandrel (12) in a direction opposite to that of the first force whilst an end of the said (20) blank, opposite the said inclined annular (3) shoulder, is engaged on respective abutment (21) sectors disposed beneath the said die (15), said step being performed when the said blank has traversed the said die.



(Compl. Specn. 18 pages;

Drwgn. Sheets 4)

Ind. Cl. : 102D

176546

Int. Cl. : C14 . F03C 1/00, 5/00

**A MACHINE FOR TRANSFORMING PRESSURE OR POTENTIAL ENERGY OF A FLUID INTO MECHANICAL WORK.**

Applicant & Inventor : STIG LUNDBACK OF OSTRA TYÖÖINGO, S-18500 VAXHOKM, SWEDEN.

Application for Patent No. 0066/Del/90 filed on 25-1-90.  
Appropriate office for filing opposition proceedings (Rule 4, 1972) Patent Office Branch, Karol Bagh, New Delhi-110005.

## 4 Claims

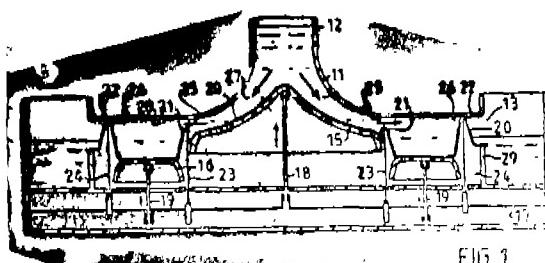
A machine for transforming pressure energy of a fluid into mechanical work, said machine comprising :

a working chamber (27, 28) said working chamber having a reciprocatingly movable (20) wall, said chamber (27, 28) being cyclically expandable with respect to reciprocating motion of said wall; a power member (15, 16) in cooperation with said movable wall (20) and being displaceable by said wall (20) due to action of pressure of the fluid within said chamber (27, 28) which causes said wall to move outwards;

an inlet conduit (12) communicating with said working chamber (27) an outlet (13) conduit communicating with said working chamber (28);

an outlet (22) valve disposed in said outlet conduit (13) said outlet valve (22) being closable to prevent fluid flow in said outlet conduit (13) in a direction away from said working chamber; and a driven (12) member connectible to said power member (15, 16) characterised in that

said outlet conduit (13) comprises a gap (26), which extends along the major portion of the periphery of said working chamber (27, 28) said gap (26) being openable by said outlet valve (22) to permit fluid to flow therethrough from said working chamber.



disabling means, coupled to said first and second error count outputs and to said third input, and responsive to a coincidence of said first and second error count signals being generated for disabling the further comparison of said first and second binary words by said first means.

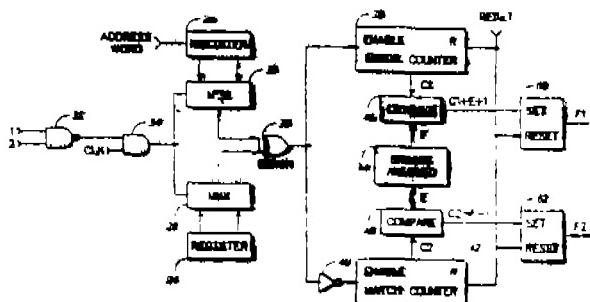


FIG. 2

(Compl. Specn. 14 pages;

Drwgn. Sheets 2.)

Ind. Cl. : 32 E

176549

Int. Cl.<sup>4</sup> : C08F 259/02**METHOD FOR PRODUCTION OF A THERMOSTABLE CROSSLINKED HALOGEN-CONTAINING POLYMER.**

Applicant : NORSK HYDRO A.S. OF BYGDOY ALLE 2, 0257 OSLO 2, NORWAY.

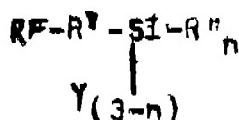
Inventors : ROGER DAHL, STEINAR PEDERSEN, KEITH REDEORD, JAAN ROOTS.

Application for Patent No. 86/Del/90 filed on 31-01-90 post-dated to 30-04-90.

Appropriate office for filing opposition proceedings (Rule 4, 1972) Patent Office Branch, Karol Bagh, New Delhi-110005.

## 8 Claims

Method for production of a thermostable crosslinked halogen-containing polymer, where an organic silane is used as crosslinking agent and where crosslinking is carried out in the presence of humidity, wherein epoxy groups are added to a halogen-containing polymer by copolymerization with a glycidyl (epoxy)-containing acrylate and with the addition of 0, 05-15 parts by weight of a silane of the general formula



where RF-a mercapto group, a primary or second amine, a anhydride.

R'= $\text{a}-\text{CH}_2-$ ,  $-\text{C}_2\text{H}_4-$ , until  $-\text{C}_8\text{H}_{16}-$  group or other non-functional group

R''= $\text{a}$  freely chosen non-hydrolyzed group

Y= $\text{one or more groups which could be hydrolyzed such as }-\text{OCH}_3, -\text{OC}_2\text{H}_5, -\text{OC}_3\text{H}_7, -\text{OC}_4\text{H}_9$

n= $\text{O}, 1$  or  $2$ .

and where the crosslinking is carried out after processing of the polymer.

(Compl. Specn. 22 Pages;

Drwgn. Sheet Nil.)

Ind. Cl. : 123

176550

Int. Cl.<sup>4</sup> : A01H 1/06, A01N 25/02**A NUTRIENT MEDIUM COMPOSITION USEFUL FOR ENHANCING SHOOT SPROUTING AND MULTIPLICATION FROM MATURE BAMBOO SPECIES.**

Applicant : COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, RAFI MARG, NEW DELHI-110 001, INDIA, AN INDIAN REGISTERED BODY INCORPORATED UNDER THE REGISTRATION OF SOCIETIES ACT (ACT XXI OF 1860).

Inventors : CHANDRASHEKHAR HARI PHADKEM, NAZIFA NAJMUDIN NAGARWALA, VARSHA ANIL PARASHARAMI, RAJANI SATISH MADGAUDA, ANTHONY FRANCIS MASCARENHAS.

Application for Patent No. 1209/Del/90 filed on 30-11-90.

Appropriate office for filing opposition proceedings (Rule 4, 1972) Patent Office Branch, Karol Bagh, New Delhi-110005.

## 2 Claims

A nutrient medium composition useful for enhancing shoot sprouting, and multiplication from mature bamboo species which comprises :

## A. Mineral Salts :

(a) Major elements as  $\text{K}^+$ ,  $\text{NH}_4^+$ ,  $\text{Mg}$ ,  $\text{Ca}^{+2}$ ,  $\text{NO}_3^-$ ,  $\text{Cl}^-$ ,  $\text{SO}_4^{2-}$ ,  $\text{PO}_4^{3-}$ .

(b) Minor elements as  $\text{B}$ ,  $\text{Al}$ ,  $\text{Mn}$ ,  $\text{Ti}$ ,  $\text{V}$ ,  $\text{Fe}$  (as a chelate with ethylene diamine tetra acetic acid),  $\text{Co}$ ,  $\text{Cr}$ ,  $\text{Cu}$ ,  $\text{Si}$ ,  $\text{Zn}$ ,  $\text{Mo}$ ,  $\text{I}$ ,  $\text{Pb}$ ,  $\text{Na}$ .

## B. Organic constituents :

Vitamins, Amino acid, Sugars, Other Complex growth promoting substances and Growth hormones.

(Compl. Specn. 15 pages;

Drwgn. Sheet Nil.)

Ind. Cl. : 49 E; xv(i)

176551

Int. Cl.<sup>4</sup> : A47J 27/00, 36/36**A COOKING VESSEL ATTACHMENT DEVICE.**

Applicant : PRABHAT KUMAR, AN INDIAN CITIZEN OF C5/16, SAFDERJUNG DEVELOPMENT AREA, NEW DELHI-110 016, INDIA.

Inventor : IDEM.

Application for the Patent No. 13/Del/89 filed on 5 Jan. 1989.

Complete Specification left on 5 April 1990.

Appropriate office for filing opposition proceedings (Rule 4, 1972) Patent Office Branch, Karol Bagh, New Delhi-110005.

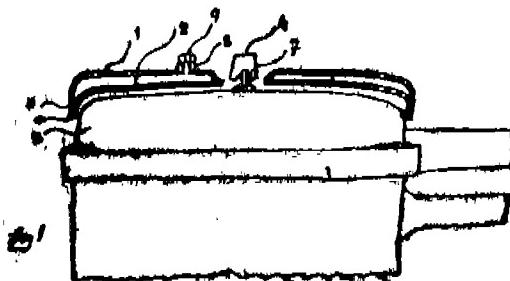
## 4 Claims

A cooking vessel attachment device comprising of a first shell and a second shell;

Said first shell and said second shell being spaced apart to form atleast a gap there between and joined and sealed at periphery of said gap;

Said gap being created with a vacuum and

Said joined shells fitted to the heat loosing face of the cooking vessel.



(Provisional Specn. 2 pages;  
(Compl. Specn 6 pages;

Drwgn. Sheets Nil.)  
Drwgn. Sheet 1.)

Ind. Cl. : 32E

176552

Int. Cl. : C08F, 220/46

A PROCESS FOR THE PREPARATION OF AN INTERPOLYMER OF N-ALKYL ACRYLATE MIXTURES WITH VINYL ACETATE COPOLYMERS AS FLUIDITY IMPROVERS AND WAX DEPOSIT INHIBITORS.

Applicant : COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, RAFI MARG, NEW-DELHI-110 001.

Inventors : KOSURU VENKATESWARA RAO, SHASHI DHAR BARUAH, ARUN BORTHAKUR, SUBHAS RANJAN DUTTA CHOWDHURY, NARAYAN CHANDRA LASKAR AND BULUSU SUBRAHMANYAM.

Application for Patent No. 348/Del/89 filed on 19-4-89.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

#### 7 Claims

A process for the preparation of an interpolymer of alkyl acrylate mixtures with a vinyl ester of low molecular weight fatty acid having upto three carbon atoms, the inter polymers having an average molecular weight of 700-500,000 and containing 2-10% of vinyl ester units and having a bimodal molecular weight distribution with peak molecular weight of approximately  $1.5 \times 10^6$  and  $2.5 \times 10^5$  useful as fluidity improvers and wax deposit inhibitors which comprises polymerising the alkyl acrylate and vinyl ester monomers in the presence of a free radical polymerization catalyst and an organic solvent at a temperature in the range of 50-150°C in an inert atmosphere.

(Compl. Sepcn. 14 pages;

Drwgn. Nil.)

Ind. Cl. : 83 B 3

176553

Int. Cl. : A 23 F, 5/28

A PROCESS FOR PREPARING AN IMPROVED SOLUBLE COFFEE PRODUCT IN THE FORM OF A STABLE COFFEE GLASS.

Applicant : GENERAL FOODS CORPORATION, A CORPORATION ORGANIZED AND EXISTING UNDER THE LAWS OF THE STATE OF DELAWARE, LOCATED AT 250 NORTH STREET, WHILE PLAINS, NEW YORK 10625, THE UNITED STATES OF AMERICA.

Inventor's : MARSHALL RANKOWITZ, PAMELA JANE SUMMERS, ROBERT SCARELLA, JOSEPH MUSTO, GARY JONES, LAWRENCE BRANDLEIN, RONALD GABBARD, NICHOLAS DELLA FAVE, JOHN KOVTUN, JACKIE EPPS, VIJAY ARORA, RUDOLF VITTI.

Application for Patent No. 622/Del/89 filed on 12-07-89.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

#### 19 Claims

1. A process for the preparation of an improved soluble coffee product in the form of a stable coffee glass which comprises :

- (a) forming an aqueous coffee mixture by concentrating an aqueous coffee extract to a concentration of from 88% to 97% by weight solids or moisturizing a dried coffee powder to a concentration of from 88% to 97% by weight solids;
- (b) subjecting the coffee mixture resulting from step (a) to heat and shear under confined headspace to provide a homogeneous coffee melt; and
- (c) rapidly cooling said homogeneous coffee melt to effect a transition from said coffee melt to coffee glass.

(Compl. Specn. 41 pages;

Drwgn. Nil.)

Ind. Cl. : 175 H

176554

Int. Cl. : F 01 C, 1/00, 9/00

#### A PISTON AND PISTON RING ASSEMBLY.

Applicant & Inventor : RUSSEL DOUGLAS IDE, A U.S. CITIZEN OF 28 DANIEL DRIVE, COVENTRY, RHODE ISLANDS 02816, UNITED STATES OF AMERICA.

Application No. 636/Del/89 filed on 18-7-89.

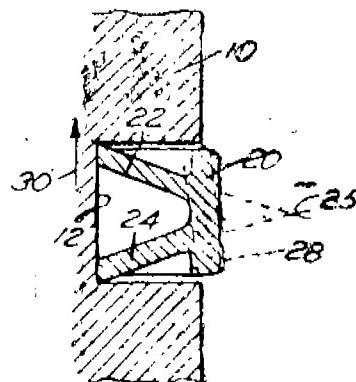
Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

#### 10 Claims

Assembly of piston and piston ring consisting of a piston (10) movable in opposite directions in a cylinder and having at least one ring groove (12, 13, 14) therein, a ring received in said groove (16, 17, 18) and having an outer sealing face member (20) extending circumferentially around said piston,

said outer sealing face member being spaced from said piston by a flexible web like support member, said web consisting of two or more webs (22, 24) that extend at an angle to the face member by an imaginary point (25) that is in front of the face member (20),

said web structure under load allowing said sealing face member to rock to cause the trailing edge (28) to approach an opposing surface in a sealing relationship to cause sealing and to reduce friction.



(Compl. Specn. 7 pages;

Drawgn Sheet 1.)

Ind. Cl. : 127 I LXV (1).

176555

Int. Cl. 4 : B 25 C 1/04, 1/08

## A FASTENER DRIVING TOOL.

Applicant : ILLINOIS TOOL WORKS INC., A CORPORATION ORGANISED AND EXISTING UNDER THE LAWS OF THE STATES OF DELAWARE, UNITED STATES OF AMERICA, OF 8501 WEST HIGGINS ROAD, CHICAGO, STATE OF ILLINOIS, UNITED STATES OF AMERICA.

Inventors : ROBERT LOREN WOLFBURG, RUDOLPH ADOLPH MANFRED GLOSCH, FRANK CHARLES HOWARD.

Application for Patent No. 735/Del/89 filed on 18-8-89.

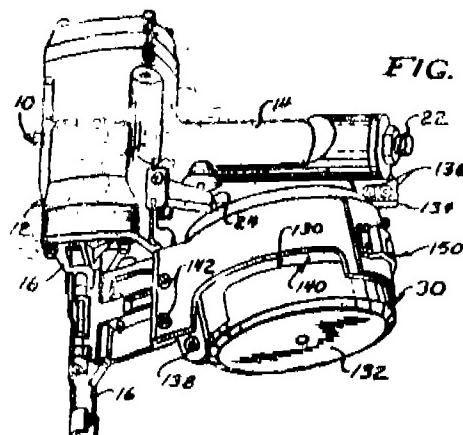
Appropriate Office for filing Opposition Proceedings (Rule 4, 1972), Patent Office Branch, Karol Bagh, New Delhi-110005.

## 5 Claims

A fastener-driving tool comprising :

- (a) a housing having a nosepiece comprising a drive track for receiving and guiding a fastener ;
- (b) a magazine mounted on the housing and spaced away from said drive track for storing a strip of collated fasteners whereby a leading portion of the said strip of collated fasteners extends from the magazine towards the drive track ; and
- (c) a fastener-feeding means for mounting on said housing the fastener-feeding means consisting of :

- (1) Means for feeding fasteners individually and sequentially into the said drive track from the said leading portion of a said strip of collated fasteners stored by the said magazine, said feeding means being a fastener-feeding element having at least one groove for receiving each fastener ;
- (2) a fixed structure fixed to said housing for confining the other side of the leading portion of the strip to guide said leading portion of the said strip along fastener guiding surfaces provided on said fixed structure as fastener from said leading portion of the said strip are being fed ;
- (3) a hinged structure hinged to the said nosepiece for confining the other side of said leading portion of said strip to guide said leading portion of the said strip along fastener-guiding surface of the hinged structure as fasteners from the leading portion of said strip are being fed ; said hinged structure consisting of :—
  - (i) a holding member hinged to the nosepiece to hold at least one fastener in the groove of the said fastener-feeding element, and to be hingedly moved to inoperative positions so as to expose said groove, any fastener in said groove, and any fastener in the drive track ; and
  - (ii) a hinged cover hinged to the nosepiece, to secure said holding member in its operative position, said hinged cover constituting the sole means for receiving the holding member in its operative position and for hingedly moving it to inoperative positions of the said holding member thereby exposing fastener guiding surfaces of the said fixed structure, any fastener between the magazine and the fastener feeding element and any fastener in the drive track ; and
- (4) means for releasably securing the hinged cover in its operative position to the holding member in the operative position of said holding member.





## 7 Claims

An improved thrust bearing comprising a base (61), said base (61) having a bore opening (62) therethrough and an annular oil groove (63) therearound, a thrust surface being provided on said base (61), said thrust surface of said base being composed of a plurality of thrust pads (64) therearound, a radial oil groove (67) located between adjacent thrust pads (66), and an oil bleeder (68) located at an outer end of each oil groove (63) and in communication with said oil groove (63), said thrust pads (64) having scalloped portions (66) at opposite ends of same (64) adjacent said radial grooves (67), whereby said thrust bearing when used in conjunction with a thrust runner (80) is capable of bidirectional rotation and operates under both starved and flooded lubricant conditions with low power losses.

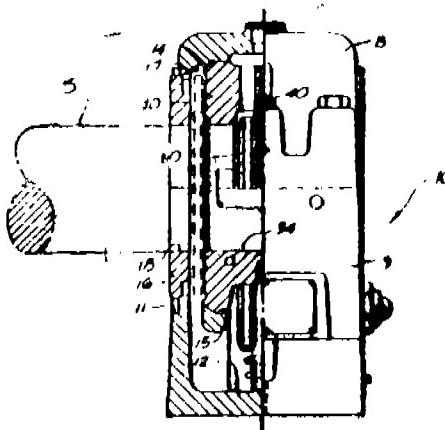


Fig. 1

(Compl. Specn. 21 Pages)

Drgns 8 Sheets)

Cl : 32E &amp; 155E

176560

Int. Cl.<sup>4</sup> : C08G 63/00, 63/40

## PROCESS FOR THE PREPARATION OF POLYESTER HAVING FLAME RETARDANT PROPERTIES.

Applicant : THE PRINCIPAL SCIENTIST & HEAD, SIR PADAMPT RESEARCH CENTRE, A DIVISION OF J.K. SYNTHETICS LTD., OF JAKKAY NAGAR, KOTA-324003, RAJASTHAN, INDIA, AN INDIAN COMPANY.

Inventors : NAresh DUTTA SHARMA, SARITA CHATURVEDI AND BOMMU VENKATESWARA RAO ALL INDIAN NATIONALS OF JAKKAY NAGAR, KOTA, RAJASTHAN.

Application for Patent No. 1176 /Del/89 filed on 12-1-89.

Appropriate Office for filing Opposition Proceedings (Rule 4, Patent Rules 1972). Patent Office Branch, Koral Bagh, New Delhi-110 005.

## 10 Claims

A process for the preparation of polyester having flame retardant properties which comprises in preparing ester derivatives of tetrahalobisphenol-A by the condensation of alkali-metal salt of tetrahalobisphenol-A with haloalkyl acid in a polar medium at ambient temperature, reacting said derivatives with alcohol such as methyl alcohol in the presence of acid catalyst to a covert said derivatives into ester derivatives, and then subjecting such as ester derivative to the known step of polymerization for the preparation of said flame retardant polyester.

(Compl. Specn. 18 Pages)

Drng. Shee's Nil

## CLAIM UNDER SECTION 20(1) OF THE PATENTS ACT, 1970

The claim made by National Dairy Development Board under Section 20(1) of the Patents Act, 1970 to proceed the application for Patent No. 175980 in their name has been allowed.

The claim made by National Dairy Development Board under Section 20(1) of the Patents Act, 1970 to proceed the application for Patent No. 175998 in their names has been allowed.

## RENEWAL FEES PAID

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## PPATENT SEALED ON 14-6-96

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 176040\*D 176041 176045 176046 176049\* 176050\*D 176055  
 17602.

Cal—11, Del—19, Bom—Nil, Mas—Nil

\*Patent shall be deemed to endorse with the words LICENCE OF RIGHT Under section 87 of the Patents Act, 1970 from the date of expiration of three years from the date of Sealing.

D—Drug Patents, F—Food Patents.

## REGISTRATION OF DESIGNS

The following designs have been registered. They are not open to inspection for period of two years from the date of registration except as provided for in Section 50 of the Design Act, 1911.

The date shown in the each entries is the date of the registration included in the entries.

Class 1. No. 169235, B.M. Enterprises Pvt. Ltd., an Indian Company of B 01/02, Webel Electronics Complex, P-1, Taratala Road, Calcutta-700088, West Bengal, India "METAL PROFILES", 31st May 1995.

Class 1. No. 168639, Yamaha, Hatsudoki Kabushiki Kaisha, No. 2500 Shingai, Iwata-shi, Shizuoka-ken, Japan, a Japanese Company, "MOTORCYCLE", 18th January 1995.

Class 1. No. 168778, Veer Enterprises, B 10/3, Group Industrial Area, Wazirpur, Delhi-110052, India, a partnership firm "SANITARY GRATING" 6th February 1995.

Class 1. No. 168918, Metrocab (UK) Limited, a British Company of Basin Lane, Kettlebrook, Tamworth, Staffordshire, B 77 2 AH, England, "A VEHICLE" 13th March 1995.

Class 1. No. 169112, Union Tractor Workshop, a registered partnership firm of B 8, Phase II, Mayapuri Industrial Area, New Delhi-110064, India "PORTABLE POWER TILLER", 3rd May 1995.

Class 1. No. 168738, Khaitan (India) Limited, of 46C, J. L. Nehru Road, Calcutta-700 071, West Bengal, India, an Indian Company, "PEDESTAL FAN", 3rd February 1995.

Class 3. No. 167888, Bombay Crown Industries, 20, 20 Sona Udyog Estate, Parsi Panchayat Road, Andheri (E), Bombay-69, Maharashtra, India, an Indian partnership firm, "CROWN CAP", 12th August 1994.

Class 3. No. 168237, Karm Home Appliances Pvt. Ltd. an Indian Company of B 45, Somdutt Chamber II (9), Bhikaji Cama Place, New Delhi-66, India, "ELECTRONIC GEYSER", 11th October 1994.

Class 3. No. 167030, Manak Chand Jain of 41A, Virawati Industrial Estate, Goregaon (E), Bombay-63, Maharashtra, India, Indian, "BALL PEN", 17th March 1994.

Class 3. No. 168030, Ramson Industries, 111, D. Govt. Industrial Estate, Charkop Kandivali (W), Bombay-67, Maharashtra, India, an Indian partnership firm, "SPOON", 30th August 1994.

T. R. SUBRAMANIAN  
Controller General of Patents,  
Designs & Trade Marks

प्रबन्धक, भारत सरकार मुद्रणालय, फरीदाबाद द्वारा मुद्रित  
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